

OHIO DEPARTMENT OF HEALTH

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GEORGE V. VOINOVICH
Governor

PETER SOMANI, M.D., Ph.D.
Director of Health

July 19, 1993

John Gabele, R.S.
Summit County Health Department
1100 Graham Circle
Cuyahoga Falls, OH 44224-2992

US EPA RECORDS CENTER REGION 5



434240

Dear Mr. Gabele:

Enclosed are the results for the semi-volatile water samples taken on May 3 and 7, 1993, in Akron, Ohio. The presence of four semi-volatile compounds were detected in the sample taken at Don Ices' residence located at 973 Bey Rd. No other sample sites had any chemical detections.

Compound	Level Detected	EPA MCL
1. Butylbenzylphthalate (syn. Benzylbutylphthalate)	10.3 ug/l	None
2. Di-n-butylphthalate	16. ug/l	None
3. Di(2-ethylhexyl)phthalate (syn. Bis(2-ethylhexyl)phthalate)	3.4 ug/l	400.0 ug/l
4. Dimethylphthalate	27.3 ug/l	None

Di(2-ethylhexyl)phthalate has an EPA Maximum Contaminate Level (MCL) of 400.0 ug/l. The level detected in Mr. Ices' water sample is significantly below the MCL and would appear to pose little health risk. However, it should be noted that when several compounds occur together, health affects can be nearly impossible to predict. If Mr. Ice is concerned about his water he may wish to consider the use of a Granular Activated Carbon (GAC) filter to treat his water. This can be relatively expensive and should only be installed by a reputable water treatment dealer.

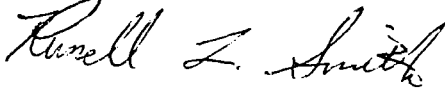
The presence of the four semi-volatiles in Mr. Ices' water sample is difficult to explain based on our current information. All of the above listed compounds have some uses as plasticizers. Di(2-ethylhexyl)phthalate is also used in the manufacture of pump fluids. The sanitary survey indicates the Mr. Ices' well was constructed with metal casing, has a buried well seal, and uses a jet pump. It should also be noted that during the sampling procedure Mr. Ice's jet pump kicked off the circuit breaker on two occasions.

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The water, which had been running clear, then became orange and cloudy and would not clear again. It is uncertain if this may have affected the SOC sample, although it seems unlikely to me that it should have.

I have enclosed additional information on the compounds detected. Please feel free to contact me if I can be of any further assistance.

Sincerely,

A handwritten signature in cursive script that reads "Russell L. Smith".

Russell Smith, R.S.
Program Specialist
Private Water Systems & Household Sewage Disposal Program
Bureau of Local Environmental Health Services

RS/pcr

Enclosure

cc: Tom Kuhn, ODH - NEDO
Mike Bolas, OEPA - NEDO
Scott Golden, ODH - PWS & HSD Program

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